**MIDTERM PROJECT**

**Unit code: 61FIT3NPR**

**Unit name: Network Programming**

**Member : Dao Quyet Chien 1901040037**

**Do Minh Hieu 1801040080.**

**Project name : 2-side chat application.**

**Year : Fall 2021**

**Project description:**

* **This application enable 2 persons send messages privately toghether .**
* **Using TCP socket with optional port(6666/9999).**
* **This application is also support graphic interface**

1. Project component

* Java language : jdk 15.
* Ide : APACHE Netbeans 12.2 – Jframe form

1. User manual:

* Run “NPR\_Client-1.0-jar-with-dependencies” or serverGUI.java , waiting then, click “Start” to start your port.
* Run “NPR\_Server-1.0-jar-with-dependencies” or clientGUI, waiting then pick your port. Click “Connect” button to connect to the Server. Write your message in Text Area, click “Send” button to send your message.
* “Notice to show your statut, if 2 users are using one port then a notice will be shown ! Please choose other port in “Port list”.
* Extend funtion : “Clear All Message” to delete message in that user message .

1. Graphic interface

Graphical user interface, application

Description automatically generated

**Server**

Graphical user interface, text

Description automatically generated

**Port ON**

Graphical user interface, text, application

Description automatically generated

**Client**

Graphical user interface, text

Description automatically generated

**Demo chat**